

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CCR11 in direct ELISAs.
Source	Monoclonal Mouse IgM Clone # 674144
Purification	IgM-specific Affinity-purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human CCR11 Accession # Q9NPB9
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10 ⁶ cells	HEK293 human embryonic kidney cell line transfected with human CCR11 and eGFP

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

CCR11, also known as CCRL1 and CCX-CKR, is a 45 kDa 7-transmembrane segment protein that is widely expressed on stromal cells. It is a silent receptor that does not induce intracellular calcium signaling, but instead serves as a chemokine scavenger receptor. CCR11 regulates dendritic cell and thymic precursor migration by mediating the clearance of the homeostatic chemokines CCL19, 21, and 25. It is upregulated on some breast cancer cells and on bronchial epithelial cells in pulmonary sarcoidosis. Human CCR11 shares 85% amino acid sequence identity with mouse and rat CCR11.

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